



Light is freedom
OSLON[®] Square –
best in class high-power LEDs

Light is OSRAM

OSRAM
Opto Semiconductors



Advantages

OSLON® Square – the most compact high-power LED with well-known superior robustness, high reliability, long life-time and very low thermal resistance. The OSLON® Square family is designed for professional outdoor and indoor lighting, based on different color rendering. The key parameters are binned at high temperature which is closer to the real application conditions of our customers.

Features

- Ultra compact footprint (3.0 mm × 3.0 mm) for high-density arrays to simplify circuit designs
- Available with CRI 70, 80, 90
- Wide range of CCT selection
- Binned at 85 °C
- Very low thermal resistance
- Superior robustness and long lifetime
- Extendable range of current driving condition

Applications

- Street lighting
- Tunnel lighting
- Path lighting
- Architectural lighting
- Low bay, high bay

- Professional retail lighting
- Museum lighting
- Spot lights
- Horticulture lighting



OSLON® Square on the Internet:
www.osram-os.com/oslon-square

LED Light for you Network
www.ledlightforyou.com

OSLON® Square white and color

White	Available CCT range (K)	CRI min.	Typ. Luminous flux (lm) ¹	Typ. Efficacy (lm/W) ¹	Typ. Forward voltage V _f (V) ¹	Design
GW CSSRM1.BM	2,700–4,000	95 (R9 typ. 90)	193 ¹	98 ¹	2.8	1
GW CSSRM2.CM	2,700–6,500	90	228 ¹	117 ¹	2.8	2
GW CSSRM2.EM	2,700–5,000	80	270 ¹	138 ¹	2.8	2
GW CSSRM2.PM	3,000–6,500	70	328 ²	167 ²	2.8	2
GW CSSRM3.PM*	3,000–6,5	70	338 ²	172 ²	2.8	2
Color	Viewing angle	Color	Wave length (nm)	¹ @ 3,000K, 85 °C ² @ 5,000K, 85 °C		
GD CSSRM2.14	120°	Deep blue	450	* Upcoming product		
GH CSSRM3.24	120°	Hyper red	660			



Asia

OSRAM Opto Semiconductors (China) Co., Ltd.
 29/F, Harbour Ring Plaza
 No. 18 Xi Zang Middle Road,
 Shanghai, 200001 P.R.C.
 China
 E-mail: prasia@osram-os.com

Europe

OSRAM Opto Semiconductors GmbH
 Leibnizstraße 4
 93055 Regensburg, Germany
 Phone: +49 941 850 1700
 Fax: +49 941 850 3302
 E-mail: support@osram-os.com

USA

OSRAM Opto Semiconductors Inc.
 1150 Kifer Road, Suite 100
 Sunnyvale, CA 94086, USA
 Main Phone number: (408) 962-3700
 Main Fax: (408) 738-9120
 Inbound Toll Free: (866) 993-5211
 E-mail: info@osram-os.com